

# PHARMACOLOGICAL INDUCEMENT OF THE FED MODE FOR ENHANCED DRUG ADMINISTRATION TO THE STOMACH

## ABSTRACT OF THE DISCLOSURE

5      Drugs intended for absorption in the stomach or upper intestinal tract are  
administered in oral drug delivery systems in conjunction with any of various substances that  
have been discovered to function as potent agents for inducing the fed mode. By inducing  
the onset of the fed mode, these agents cause the stomach to prolong its retention of the drug  
delivery system, which is either large enough to be retained in the stomach during the fed  
mode or swells or expands to such a size upon ingestion. The fed mode inducing agents  
10      include the following compounds and their salts: glycine and glycyglycine, xylitol and  
related sugar alcohols, sodium and other metal docusates,  $\beta$ -casomorphins,  $\alpha$ -lipoic acid and  
similarly structured acids, 2,2-diaryl-4-(4'-aryl-4'-hydroxypiperidino)butyramides, arginine,  
Trp-Trp, alkylpyridinium halides, dihydroxybenzoic acids, and potent sweeteners such as  
aspartame, aspartic acid, acesulfame, and stevioside.

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